

## aryl-aldehyde dehydrogenase (NADP+)

*Cat. No.* EXWM-1137

*Lot. No.* (See product label)

### **Introduction**

#### **Description**

This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is aryl-aldehyde:NADP<sup>+</sup> oxidoreductase (ATP-forming). Other names in common use include aromatic acid reductase, and aryl-aldehyde dehydrogenase (NADP<sup>+</sup>).

#### **Synonyms**

aromatic acid reductase; aryl-aldehyde dehydrogenase (NADP)

### **Product Information**

#### **Form**

Liquid or lyophilized powder

#### **EC Number**

EC 1.2.1.30

#### **CAS No.**

9074-94-6

#### **Reaction**

an aromatic aldehyde + NADP<sup>+</sup> + AMP + diphosphate + H<sub>2</sub>O = an aromatic acid + NADPH + H<sup>+</sup> + ATP

#### **Notes**

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### **Storage and Shipping Information**

#### **Storage**

Store it at +4 °C for short term. For long term storage, store it at -20 °C~80 °C.